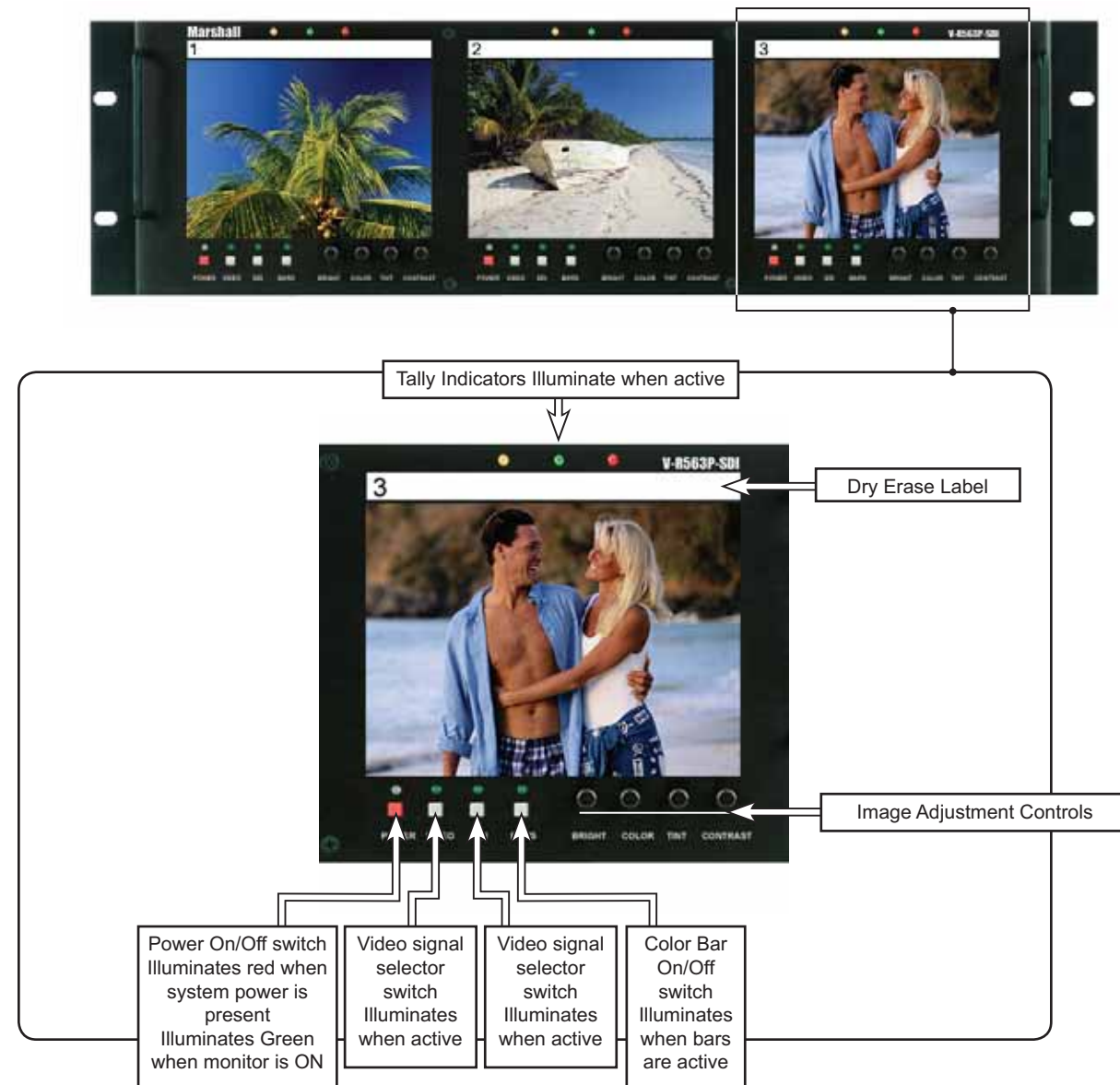


⑦ Switch Settings, Adjustments and Indicators



Marshall Electronics

1910 East Maple Ave.
El Segundo, CA 90245
Tel.: 800-800-6608 • Fax: 310-333-0688
www.LCDRacks.com
Email: sales@lcdracks.com



V-R563P-SDI
Users Guide

⑧ Warranty

Marshall Electronics warrants to the first consumer, that this V-R563P-SDI Triple 5.6 inch LCD rack mounted monitor set will, under normal use, be free from defects in workmanship and materials, when received in its original container, for a period of one year from the purchase date.

This warranty is extended to the purchasing end user only and proof of purchase is necessary to honor the warranty. If there is no proof of purchase provided with a warranty claim, Marshall Electronics reserves the right not to honor the warranty set forth above. Therefore, labor and parts may be charged to you.

This warranty does not apply to product exterior and cosmetics. Misuse, abnormal service or handling, improper alterations or modifications in design or construction, voids this warranty. No sales personnel of the seller, nor any other person is authorized to make any warranties other than those described above, or to extend the duration of any warranties on behalf of Marshall Electronics, beyond the time period described above.

An extra note about LCD displays: It is considered normal for a minimal amount of pixels, not to exceed three, to fail on the periphery of the display active viewing area. Marshall Electronics has the option to reserve service for display pixel failure if deemed unobtrusive to effective use of the monitor by our technicians.

Due to constant effort to improve products and product features, specifications may change without notice.

Product Overview	1
Features	2
Electrical Specifications	3
Mechanical Specifications	4
Operational Setup	5
Connectors	6
Switch Settings, Adjustments and Indicators	7
Warranty	8

① Product Overview

The **V-R563P-SDI** has three independently controlled 5.6" active matrix LCD monitors. Each of the 5.6" panels produces high-resolution images with 960 x 234 pixels. The V-R563P-SDI also has a unique feature that allows the unit to tilt up or down for optimum viewing angle and installs into an EIA standard 19" rack. Each screen has one composite video with active loop through and one SDI (SMTPE 259M) input with active loop through, active clock recovery and automatic 75Ω termination. There is also a money saving Digital to Analog conversion of each SDI signal. Every display has a built-in color bar generator, 3 Tally indicators, individual front mounted selector buttons with LED indicators and color, tint, brightness and contrast controls. The unit includes a universal voltage power supply and features auto recognition for NTSC or PAL signals.

② Features

- **Small Footprint** – occupies only 3RU of a standard EIA 19 inch rack
- **Ready to mount** – all brackets are factory installed
- **Lightweight** - Save over 30 pounds when compared to similar CRT models
- **All adjustments and selections are readily available. No menus!**
- **Easy to use front panel selection of inputs**
- **NTSC or Pal operation with automatic signal format detection**
- **Switched A/B Composite inputs with active loop out**
- **All inputs automatically terminate**
- **Built in color bar generator for each display**
- **Includes V-PS12-3.3A Universal power supply (U.L. class 2)**
- **Unique 180 degree tilt adjustment**
- **Dry erase label for each screen**



③ Electrical Specifications

Display (Viewing Area)	5.6" diagonal (4.46" x 3.33") (113.3 mm x 84.7mm)
Screen Aspect	4:3
Resolution (Dots)	960 pixel (320dot) W x 234H x 234V (225,000 pixels)
Dot Pitch	0.118mm(W) x 0.362mm (H)
Pixel Response Time	35ms typical
Brightness (in cd/m²)	300 cd/m ²
Contrast Ratio	150:1
System	PAL or NTSC with automatic detection. NTSC signal complies to SMPTE RS-170M
Inputs per display	Composite BNC 75Ω self terminating 0.7V to 1.3 V P-P. SDI BNC 75Ω self terminating with 500ft equalization. 3 Color Tally (15 pin D-Sub connection)
Outputs per display	Active Composite loop through BNC. Reclocked SDI loop through BNC. 10 bit Analog composite conversion of SDI signal BNC
Color Bar Signal	Full field SMPTE
Power required	12 V D.C. from external power supply (included) max 3.0 AMP
Operating temperature	320 F to 1100 F (00 C to 450 C)

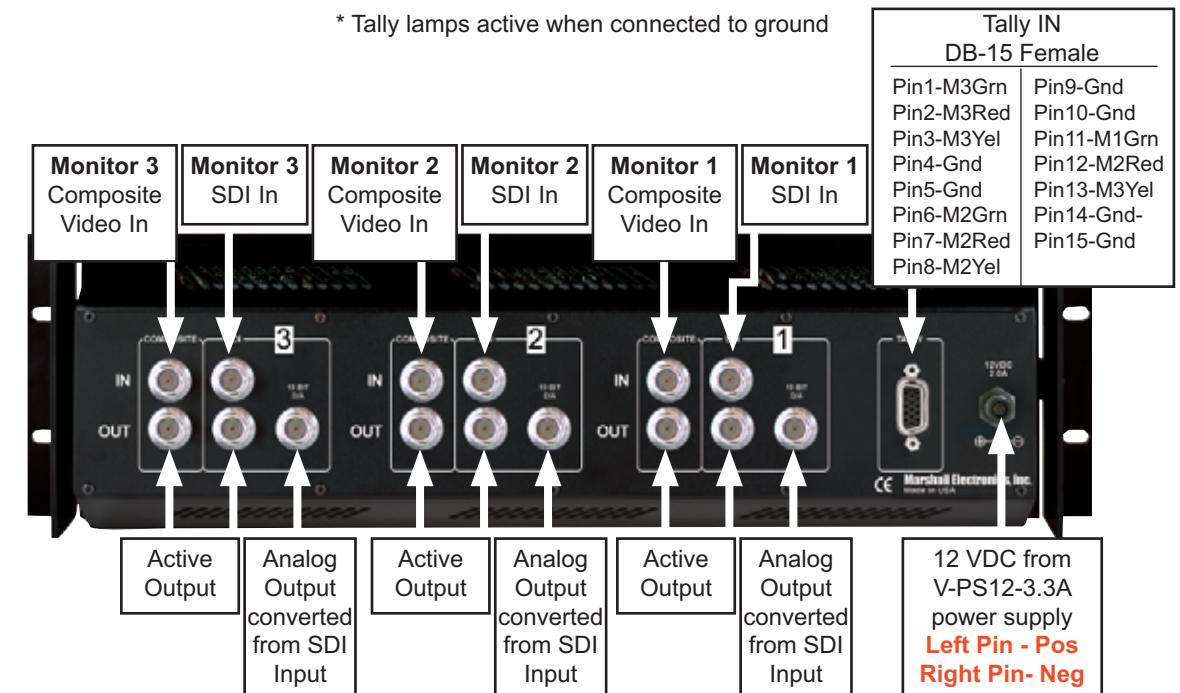
④ Mechanical Specification

Dimensions	19.125"W x 2.5"D x 5.25"H (120cm x 93cm x 25cm)
V-R682P Weight	5.0 lbs (2.27kg)
V-PS12-3.3A Power Supply Weight	1 lbs (0.454kg)

⑤ Operational Setup

1. Unpack the V-R563P-SDI and accompanying V-PS12-3.3A power supply. Physically inspect for any damage that may have occurred during shipping. Should there be any damage, immediately contact Marshall Electronics at 800-800-6608. If you are not located within the continental United States call +1 310-333-0606.
2. After inspection, install in your desired location of a standard EIA 19-inch equipment rack. Adequate ventilation is required when installed to prevent possible damage to the V-R563P-SDI internal components.
3. Connect required cables for signal input and output.
Please note that power must be applied to the V-R563P-SDI for all outputs to be activated. All BNC connectors should be rated for 75Ω.
4. Plug the V-PS12-3.3A power supply into the A.C. source
5. Attach twist lock power connection from V-PS12-3.3A power supply to the back of the unit.
6. Turn on the V-R563P-SDI by depressing the power switch located on the front of the unit.

⑥ Connectors



- * Composite Video Inputs comply to SMPTE-170M
- * SDI inputs comply to SMPTE259M / ITU-R BT601
- * Composite Video and SDI Outputs Require Power to be applied for activation